

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	229	((recess\$3) near5 (via or open\$3) same (fence or (sub adj trench adj profile)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:24
L2	3	((recess\$3) near5 (via or open\$3) same (fence or (sub adj trench adj profile)) same (etch\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:25
L3	0	((recess\$3) near5 (via or open\$3) same (fence or (sub adj trench adj profile)) same (etch\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:25
L4	2	((bi adj layer\$3) near5 (hard adj mask) same (intermetal adj dielectric adj layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:32
L5	2	I4 and (pattern\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:27
L6	2	I5 and (BARC)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:27
L7	1	((bi adj layer\$3) near5 (hard adj mask) same (intermetal adj dielectric adj layer) same (pattern\$3) same (via) same (photoresist))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:28
L8	1	((bi adj layer\$3) near5 (hard adj mask) same (intermetal adj dielectric adj layer) same (pattern\$3) same (via) same (photoresist)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:28

## EAST Search History

L9	8	((bi adj layer\$3) near5 (hard adj mask) same (stripp\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:32
L10	4	((bi adj layer\$3) near5 (hard adj mask) same (stripp\$3) same (trench))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:32
S1	2	("20050186782").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S2	2	("20030176058").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:00
S3	2	("20050110152").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:01
S4	2	("20050170625").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:01
S5	2929	(438/622).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S6	3164	(438/624).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42

## EAST Search History

S7	2866	(438/637).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S8	1069	(438/638).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S9	689	(438/639).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S10	238	(438/671).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S11	1202	(438/672).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:42
S12	1877	(438/687).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:43
S13	197442	((("438"/\$.ccls.or"257"/\$.ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:44
S14	1214	S13 and BARC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:44

## EAST Search History

S15	459	S14 and (BARC near5 photoresist)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:44
S16	203	S15 and (hardmask or (hard adj mask))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:45
S17	0	((("6458691")or("6410424")or("6372634")or("20020173143")).PN.).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:45
S18	8	((("6458691") or ("6410424") or ("6372634") or ("20020173143")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:46
S19	8	((("5204286") or ("4840923") or ("5312777") or ("5530262")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:46
S20	12068	((438/622) or (438/624) or (438/637) or (438/638) or ("4381639") or (438/671) or (438/672) or (438/687))." "CCLS."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:47
S21	5933	((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687))",CCLS.") and (damascene or (trench and via))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:48
S22	89	(((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and (hard adj mask) and (barc or (bottom adj anti adj reflect\$3)) and (resist or photoresist)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:50

## EAST Search History

S23	392	((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and ((first or second) near10 (hard adj mask))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:51
S24	58	(((((438/622) or (438/624) or (438/637) or (438/638) or ("4381639") or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and (hard adj mask) and (barc or (bottom adj anti adj reflect\$3)) and (resist or photoresist) ) and ((first or second) near10 (hard adj mask))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:52
S25	59	(((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and (hard adj mask) and (barc or (bottom adj anti adj reflect\$3)) and (resist or photoresist) ) and ((first or second) near10 (hard adj mask))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:52
S26	10	S25 and (plasma same etch\$3 same polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:53
S27	3	S25 and (plasma same etch\$3 same residue same polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:54
S28	5910	((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or ("4381671") or (438/672) or (438/687)))." "CCLS.") and (damascene or (trench and via)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 19:54
S29	2	("20050110152").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:54

## EAST Search History

S30	2	("20030176058").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 19:56
S31	59	((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and (hard adj mask) and (barc or (bottom adj anti adj reflect\$3)) and (resist or photoresist)) and ((first or second) near10 (hard adj mask))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 20:02
S32	33	((((438/622) or (438/624) or (438/637) or (438/638) or (438/639) or (438/671) or (438/672) or (438/687)).CCLS.) and (damascene or (trench and via))) and (hard adj mask) and (barc or (bottom adj anti adj reflect\$3)) and (resist or photoresist)) and ((first or second) near10 (hard adj mask)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 21:22